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PROFILING OF THE THERMAL LOADING ALONG A REACTOR CHANNEL
L. WITH CONSIDERATION OF THE NONUNIFORMITIES OF
HEATING OF THE HEAT TRANSFER AGENT, BYN. N.
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JPRS 13610

SCI - PHYS
MAY 62

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SHIELDING PROPERTIES OF WATER, POLYETHYLENE,
AND PLEXIGLASS, BY D. L. BRODER, A. A.
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JPRS 13609

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NASA TT F-10,917

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AEC-Tr-5454

Sci - Phys

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8 Mar 63

The Phenomenon of Dimerization of Alkali
Metal Vapors and Calculation of Their
Thermophysical Properties to a
Temperature of 1500°C. yby L. D. Volysk.
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NASA TT F-10,159

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ITD-TT-62-2505

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DESCRIPTORS: *Evaporation, Diffusion, Thermody-
namics, Heat transfer, Integral transforms.

(Physics--Thermodynamics, TT, v. 9, no. 2)

63-12246

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FTD-TT-62-856

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No 4, 1962, pp 3-9. 9678832

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An Experimental Investigation of the Cessation of
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The Relationships in Film Flow on a Vertical
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Zigmund, 6 pp.

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ATS RJ-3893

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FTD-TT-62-1743

Sci-Phys
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Experimental Research of the Hydrodynamics
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An Analysis of a Laminar Boundary Layer With Heat
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NEW METHOD MEASURING THE CONSUMPTION
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Mar 63 [7p] 5refs
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Trans. of Inzhenerno-Fizicheski Zhurnal (USSR)
1962, v. 5, no. 5, p. 112-115.

DESCRIPTORS: *Nuclear magnetic resonance,
Detection, Consumption, *Fluids, Nuclear industrial
applications, Measurement, Fluid flow.

The proposed method allows a continuous recording
of absolute value to be made. It has little inertia and
does not require high uniformity of magnetic field
and no toroidal pipe. (Author)
(Nuclear Physics and Nuclear Chemistry, TT, v. 11,
no. 9)

TT-63-23705

I. Zhernovoi, A.
II. Morgantown Coal Research
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Office of Technical Services

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[v. 5] no. 6, p. 13-20.

DESCRIPTORS: *Dryers, Design, Materials, Mass
transfer, Stresses, Viscosity, *Chemical engineering.

(Engineering--Chemical, TT, v. 9, no. 6)

63-12183

- I. Title: Ribbon driers
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FTD-TT-62-1804

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Sci-Phys
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*UKAEA/Windscale
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CIA/FDD XX-1257

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Calculation of the Thermophysical Properties of
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Sci - Chem

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DESCRIPTORS: *Fluid flow, *Heat transfer, *Mass
transfer, Boundary layer, Surface properties, *Chemical
engineering.

(Engineering--Chemical, TT, v. 9, no. 6)

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- I. Smol'skii, B. M.
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JPRS 15345

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Sci-Phys
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*NASA TT F-11,333

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Flow of a Laminar Conducting Gas Jet in a Space With
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Experiments on Heat Transfer of a Supersonic
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FTD-TT-63-158

Sci-Phys
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[v. 5] no. 11, p. 12-[24].

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DESCRIPTORS: *Heat transfer, *Mass transfer,
*Evaporation, Porous materials, Dehydration, Cooling,
Boundary layer, Chemical engineering.

(Physics--Thermodynamics, TT, v. 10, no. 3)

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I. Lykov, A. V.

II. International Chemical
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Self-Oscillation in Circuits With Thermistors, by A. G. Shashkov,
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Sci - Elec
Feb 64

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AN INVESTIGATION INTO THE EFFECT OF THE
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DESCRIPTORS: Chemical engineering, *Pitot tubes,
Measurement, Pressure, Mach number, Viscosity,
Nozzles, Attenuation, *Supersonic flow.

(Mechanics--Aerodynamics, TT, v. 10, no. 3)

63-17517

- I. Title: Rarefaction
- I. Kosterin, S. I.
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NASA TT F-178

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OTC 62-11694
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Springfield, Virginia 22151
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JPRS 19612

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Order from ATS \$7.25

ATS-32Q74R

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Another trans. is available from OTS \$3.00 in
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(Mechanics, TT, v. 11, no. 12)

TT-64-12668

I. Kosterin, S. I.
II. Finat'ev, Yu. P.
III. ATS-32Q74R
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Office of Technical Services

Sensitive Stable Amplitude Discriminator,
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Sci - Engr
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*FFD-TT-65-1924

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*FTD-TT-65-1925

Sci - Eng
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Sci - Eng
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Sci - Engr
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